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updated 2/4/13

**Additional Information**

* Bandwidth Requirements – Recommended 100 Kbps/student or faster
* Research studies on use of virtual vs. external keyboards – Coming Spring 2013
* Accessibility and Accommodation Guidelines – Coming June 2013
* Testing Platform Software - Coming Summer 2013
* Input Device Requirements - Coming Fall 2013
* Software and/or browser requirements – October 2013

**Devices (if they can support specifications and security controls)**

* Desktops
* Laptops
* Tablets
* IM/email
* Bluetooth connections
* Application Switching
* Printing

**Operating Systems**

* Windows 7 or newer
* Mac OS X 10.7 or newer
* Linux (Ubuntu 11.10), Fedora 16 or newer
* Chrome OS19 or newer
* Apple iOS 6 or newer
* Android 4.0 or newer

**Hardware Specifications**

* 1 GHz or faster processor
* 1 GB RAM or greater memory
* 9.5 inch (10 inch class) or larger screen size
* 1024 x 768 resolution or better without panning
* Input device requirements

**Security Control Considerations**

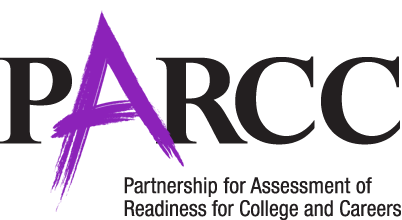
* Restricted Internet access
* Availability of Secure Browser
* Cameras – still and video
* Screen Capture – live and recorded

**New Purchase Specifications**

Provided by PARCC for all states – NYSED to provide NYS Guidance

* Netbooks
* Thin Clients





**Technology**

**Decisions Timeline**

Provided by PARCC for all states – NYSED to provide NYS Guidance



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|  | SPRING 2012  Version 1.0 | FALL 2012  Version 2.0 | FALL 2013  Version 3.0 |
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| **Hardware** | Establish minimum guidelines for new hardware. | Define the oldest systems that will be supported for 2014-2015 assessments based on data from the Technology Readiness Tool. | Provide final guidelines for 2014- 2015 assessments. |
| **Security** | Considerations for device security requirements. | Updates to security considerations as necessary. | Final security requirements for 2014-2015 assessments. |
| **Bandwidth** | Does not define specifications for bandwidth. | Define minimum bandwidth guidelines based on data from the Technology Readiness Tool and the item/delivery platform design phases. | Final bandwidth specifications for 2014-2015 assessments. |
| **Software** | Does not define specifications for testing software. | Will not define specifications for testing software. | Final guidelines for 2014- 2015 assessments based on test item and delivery platform designs. |